

AMENDMENT TO CLAIMS:

1. (Currently Amended) A method for providing delivery of a segmented data file comprising:

receiving a request to send the segmented data file to a target device;

querying a directory for one or more segments included in the segmented data file, each of the segments including one or more data bundles, wherein at least one of the one or more segments included in the segmented data file corresponds to a plurality of source storage device locations, the directory lists one or more data files and the one or more segments that make up each data file, and the directory lists source storage device locations containing data bundles that correspond to the at least one of the one or more segments, at least one data bundle being stored on only a single source storage device; and

for at least one of the one or more segments:

determining, from the directory, one or more of the source storage device locations containing a data bundle corresponding to the at least one of the one or more segments;

selecting one of the source storage device locations for the at least one of the one or more segments, wherein the data bundle is retrievable from any of the determined source storage device locations corresponding to the at least one of the one or more segments; and

transmitting the data bundle from the selected source storage device location to the target device.

2. (Original) The method of claim 1 further comprising updating said directory with pointers to said target device for each said data bundle transmitted to said target device.

3. (Original) The method of claim 1 wherein said request is from said target device.

4. (Previously Presented) The method of claim 1 further comprising retransmitting said data bundle from one of said selected source storage device locations in response to a transmission error.
5. (Previously Presented) The method of claim 1 further comprising transmitting instructions for reassembling said segmented data file from said data bundles.
6. (Previously Presented) The method of claim 1 further comprising:  
receiving a data file;  
segmenting said data file into data bundles;  
staging said data bundles to one or more said source storage device locations; and  
updating said directory to reflect said data bundles and said source storage device locations for said data file as said segmented data file.
7. (Original) The method of claim 1 wherein said selecting is responsive to a network topology.
8. (Previously Presented) The method of claim 1 wherein said selecting is responsive to capabilities at said one or more source storage device locations.
9. (Previously Presented) The method of claim 1 wherein said segmented data file includes one or more of a software package, a software patch and a software upgrade.
10. (Previously Presented) The method of claim 1 wherein said segmented data file includes one or more of audio and video.
11. (Original) The method of claim 1 wherein said target device is a personal computer.
12. (Original) The method of claim 1 wherein said target device includes a video server.

13. (Original) The method of claim 1 wherein said target device includes an audio server.

14. (Original) The method of claim 1 wherein said target device is a hand held device with storage capability including one or more of a telephone, a personal digital assistant and an audio player.

15. (Previously Presented) The method of claim 1 wherein said target device is any device capable of storing said segmented data file.

16. (Currently Amended) A system for providing delivery of a segmented data file comprising:

the segmented data file accessible via a network, the segmented data file including one or more data bundles;

a directory accessible via the network;

a target device in communication with the network; and

a network element in communication with the network including instructions to implement a method including:

receiving a request via the network to send the segmented data file to the target device;

querying the directory via the network for one or more segments included in the segmented data file, wherein at least one of the one or more segments included in the segmented data file corresponds to a plurality of source storage device locations, the directory lists one or more data files and the one or more segments that make up each data file, and the directory lists source storage device locations containing data bundles that correspond to the at least one of the one or more segments, at least one data bundle being stored on only a single source storage device,

for at least one of the one or more segments:

determining, from the directory, one or more of the source storage device locations containing a data bundle corresponding to the at least one of

the one or more segments;

selecting one of the source storage device locations for the at least one of the one or more segments, wherein the data bundle is retrievable from any of the determined source storage device locations corresponding to the at least one of the one or more segments; and

transmitting the data bundle via the network from the selected source storage device location to the target device.

17. (Original) The system of claim 16 wherein said network includes a wireless network.
18. (Original) The system of claim 16 wherein said network includes the Internet.
19. (Original) The system of claim 16 wherein said network includes a broadband network.
20. (Original) The system of claim 16 wherein said network is any network capable of transmitting data from one location to another location.

21. (Currently Amended) A computer program product for providing delivery of a segmented data file, the computer program product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing a method comprising:

receiving a request to send the segmented data file to a target device, each of the segments including one or more data bundles;

querying a directory for one or more segments included in the segmented data file, wherein at least one of the one or more segments included in the segmented data file corresponds to a plurality of source storage device locations, the directory lists one or more data files and the one or more segments that make up each data file, and the directory lists source storage device locations containing data bundles that correspond to the at least one of the one or more segments, at least one data bundle being stored on only a single source storage device; and

for at least one of the one or more segments:

determining, from the directory, one or more of the source storage device locations containing a data bundle corresponding to the at least one of the one or more segments;

selecting one of the source storage device locations for the at least one of the one or more segments, wherein the data bundle is retrievable from any of the determined source storage device locations corresponding to the at least one of the one or more segments; and

transmitting the data bundle from the selected source storage device location to the target device.